

AMENDMENTS TO THE SPECIFICATION**IN THE SPECIFICATION:****Page 5**

Please amend the Specification on page 5 beginning at line 3 as follows:

Fig. 1 is a diagram of a slot arrangement in a radio communication system that employs four-channel multicarrier TDMA/TDD; Fig. 2 is a flowchart of a radio channel assignment method according to a first embodiment of the present invention; Fig. 3 is a diagram of a structure of frequency management tables; Fig. 4 is a diagram of a correspondence example between frequency group numbers and carrier numbers (frequencies as management targets); Fig. 5 is a diagram of a search priority of each frequency group number; Fig. 6 is a flowchart of a process of deciding a slot to be assigned according to a second embodiment of the present invention; Fig. 7 is a diagram of an overview of the process according to the second embodiment; Fig. 8 is a diagram of a set range of carrier sense levels; Fig. 9 is a flowchart of a process of deciding a slot to be assigned according to a third embodiment of the present invention; Fig. 10 is a diagram of an overview of the process according to the third embodiment; Fig. 11 is a flowchart of a process of deciding a slot to be assigned according to a fourth embodiment of the present invention; Fig. 12 is a diagram of an overview of the process according to the fourth embodiment; Fig. 13 is a flowchart of a process of deciding a slot to be assigned according to a fifth embodiment of the present invention; Fig. 14 is a diagram of an overview of the process according to the fifth embodiment; Fig. 15 is a flowchart of a process of

deciding a slot to be assigned according to a sixth embodiment of the present invention; Fig. 16 is a diagram of an overview of the process according to the sixth embodiment; and Fig. 17 is a diagram of a process of deciding candidates for a carrier to be assigned according to a seventh embodiment of the present invention.

Page 6

Please amend the Specification on page 6 beginning at line 9 as follows:

Fig. 1 is a diagram of a slot arrangement in a radio communication system that employs, for example, four-channel multicarrier TDMA/TDD (Time Division Multiple Access/Time Division Duplex). In the radio channel assignment method according to the first embodiment, as an example, a base station assigns a transmission/reception slot that is divided into four in a time-axis direction, to mobile stations. At this time, a carrier on a frequency axis is assigned to each slot to be assigned, the carrier having an up-link interference level that is measured at a reception timing by a local station and is a value less than a specific threshold value. In other words, Fig. 1 indicates an example in which a mobile station (1) A performs communication with a base station using a carrier f1 in a slot #2 (T2→R2), and a mobile station (2) B performs communication with a base station using a carrier f2 in a slot #4 (T4→R4). It is noted that "I" in Fig. 1 indicates an idle slot.

The radio channel assignment method according to the present ~~invention~~ embodiment is explained in detail below with reference to the drawings. Fig. 2 is a flowchart of the radio channel assignment method according to the present ~~invention~~ embodiment. More specifically,

Fig. 2 is a flowchart of a procedure when a base station 2 assigns a traffic channel according to a request from a mobile station 1.

Page 7

Please amend the Specification on page 7 beginning at line 10 as follows:

Fig. 3 is a diagram of a structure of the frequency management tables. The base station 2 manages frequency management tables each of which holds received levels at carriers (frequencies) in each of the four slots. Each of the four frequency management tables is divided into six frequency groups based on a predetermined rule, which is explained later, and each of the six frequency groups consists of ~~m-carriers~~ m pieces of frequency information each including a carrier and a received level. Each base station uses an idle slot to cyclically measure received levels of interference at a radio channel, and reflects the results of measurement in the frequency management tables. The carriers are aligned in order of their lower received level, i.e., in order of less interference or less interruption for each frequency group.

Page 11

Please amend the Specification on page 811 beginning at line 1 as follows:

In the first embodiment, the frequency management tables each have ~~channels~~ carriers that form a radio channel and are grouped so that each specific number of carriers is distributed over the wide frequency bands. Such frequency management tables are managed, and a priority with which each group is individually searched is set

for each of the base stations that form the system. Therefore, the neighboring base stations can distribute radio channels (carriers to be assigned) that are respectively assigned (a carrier can be assigned by avoiding any carrier near carriers that have been assigned to neighboring base stations). This allows large reduction in interference between the neighboring base stations.